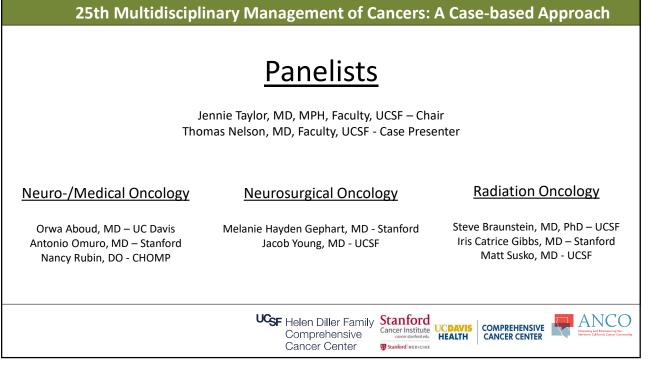


25th Multidisciplinary Management of Cancers: A Case-based Approach

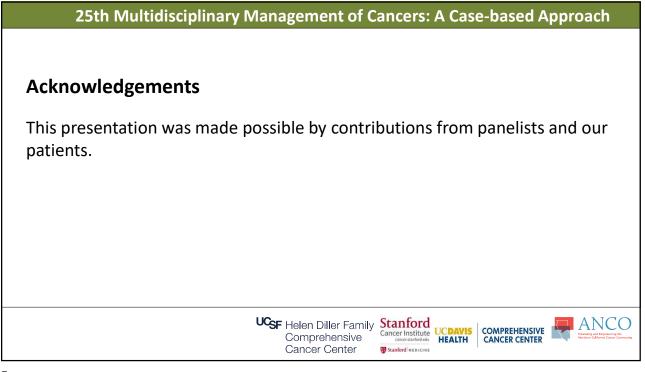
ACCREDITATION

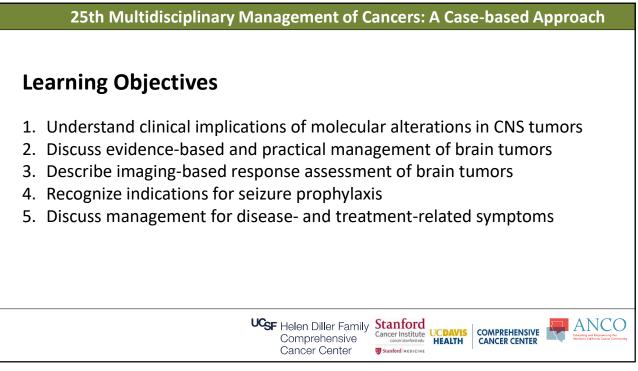
This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education through the joint providership of i3 Health and ANCO. In support of improving patient care, this activity has been planned and implemented by i3 Health and ANCO. I3 Health is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team. Physicians: i3 Health designates this live activity 15 AMA PRA Category 1 Credits[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity Physician Assistants: Physician Assistants, American Academy of Physician Assistants (AAPA) accepts certificates of participation for educational activities approved for AMA PRA Category 1 CreditTM from organizations accredited by ACCME. Physician assistants may receive a maximum of 15 hours of Category 1 credit for completing this program Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 15 Medical Knowledge MOC points in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit. By providing this information, participants are agreeing to allow i3 Health to share this information with the ACCME. INSTRUCTIONS TO RECEIVE CREDIT An activity evaluation form will be distributed. To claim credit, you must fill out and submit the form at the conclusion of the program. Your certificate of attendance will either be mailed or emailed to you after your evaluations have been reviewed. UNAPPROVED USE DISCLOSURE This educational activity may contain discussion of published and/or investigational uses of agents that are not indicated by the FDA. The planners of this activity do not recommend the use of any agent outside of the labeled indications. The opinions expressed in the educational activity are those of the faculty and do not necessarily represent the views of the planners. Please refer to the official prescribing information for each product for discussion of approved indications, contraindications, and warnings, DISCLAIMER The information provided at this CME activity is for continuing education purposes only and is not meant to substitute for the independent medical/clinical judgment of a healthcare provider relative to diagnostic and treatment options of a specific patient's medical condition.

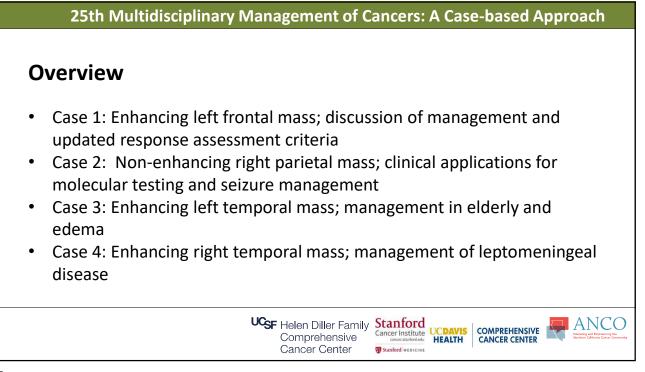


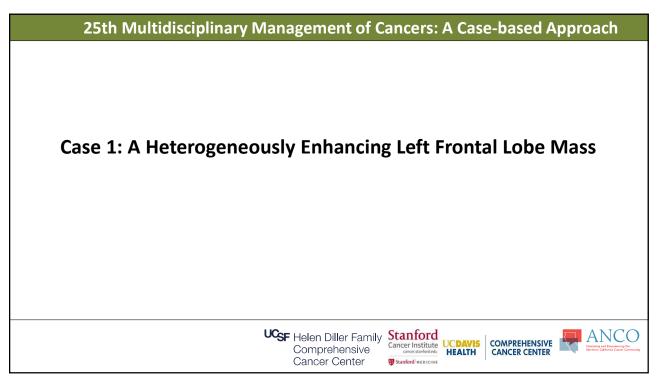


Faculty Name	Role	Type of Financial Relationship	Company	
Jennie Taylor	Chair	Advisory Board or Panel	Servier	
		Consultant	Mount Sinai Health Systems, University of Colorado and Curio Science	
		Grants/Research Support	Servier and BMS	
		Other Financial or Material Support (royalties, patents, etc.)	UpToDate	
Thomas Nelson	Junior Faculty	Disclosed no relevant financial relationships.		
Orwa Aboud	Panelist	Advisory Board or Panel	Servier Pharmacology	
		Consultant	MRI math, Adivo Association, General Dynamics, Woltera Kluwer, and Sage	
Steve Braunstein	Panelist	Disclosed no relevant financial relationships.		
Melanie Hayden Gephart	Panelist	Advisory Board or Panel	SensoBrain and Telix	
		Grants/Research Support	Quadriga	
		Stock/Shareholder (excluding diversified mutual funds)	SmartLens	
Iris Catrice Gibbs	Panelist	Disclosed no relevant financial relationships.		
Antonio Omuro	Panelist	Advisory Board or Panel	Ono Pharma, Nurix, Telix, Servier, and Curevac	
		Grants/Research Support	Arcus Biosciences	
Nancy Rubin	Panelist	Disclosed no relevant financial relationships.		
Matt Susko	Panelist	Disclosed no relevant financial relationships.		
Jacob Young	Panelist	Disclosed no relevant financial relationships.		









ANCO

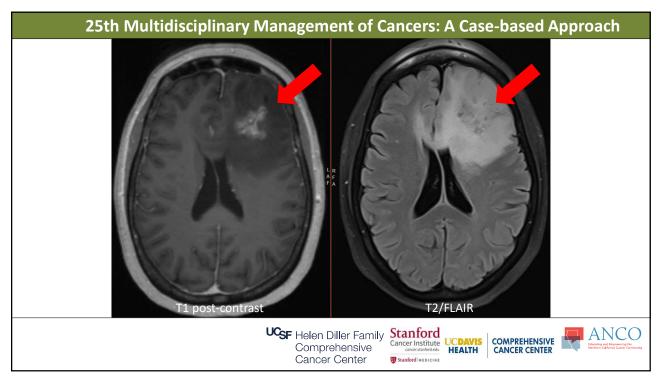
25th Multidisciplinary Management of Cancers: A Case-based Approach

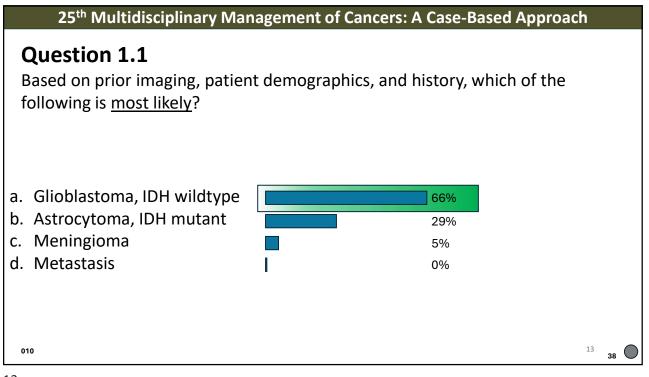
Case 1: History

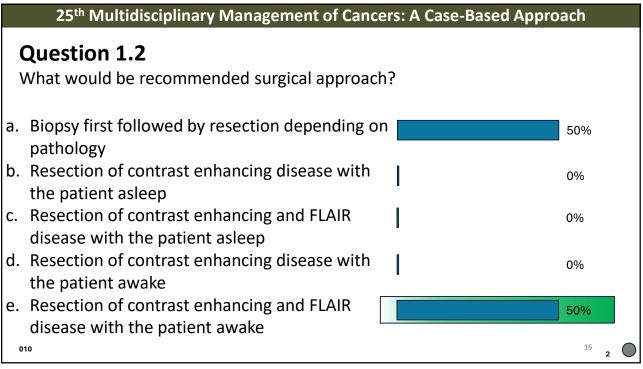
A 65-year-old woman seeks neurologic care for ~1 year of photophobia with more recent subjective eye movement difficulties leading to trouble with reading. Initial examination by outside neurologist was reportedly reassuring. Due to symptom persistence, MRI brain was obtained 6 months later.

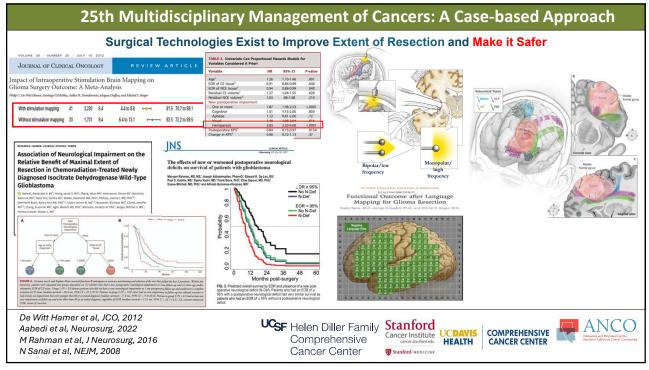


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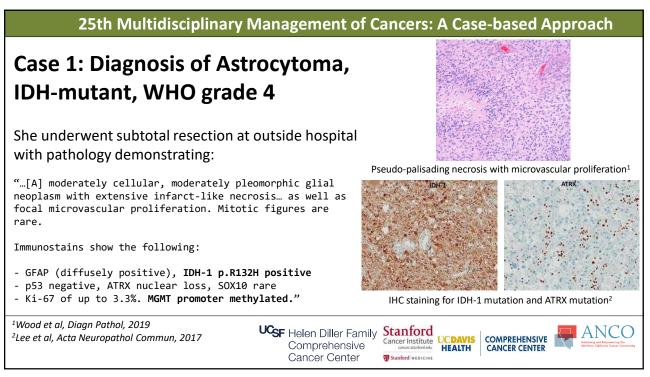


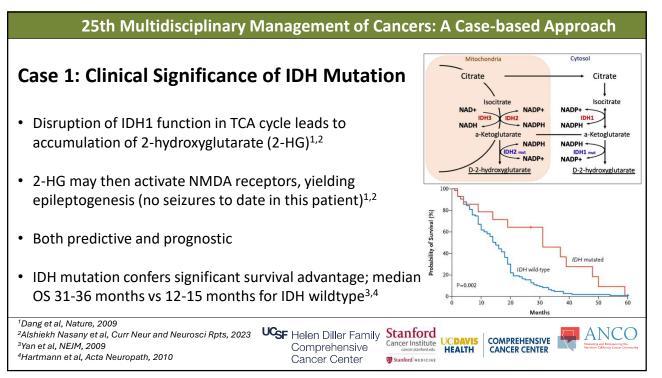






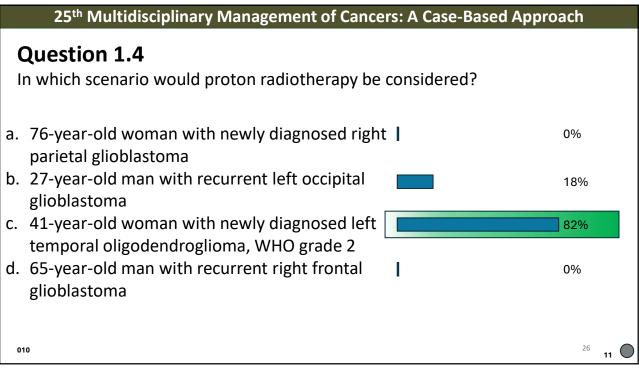


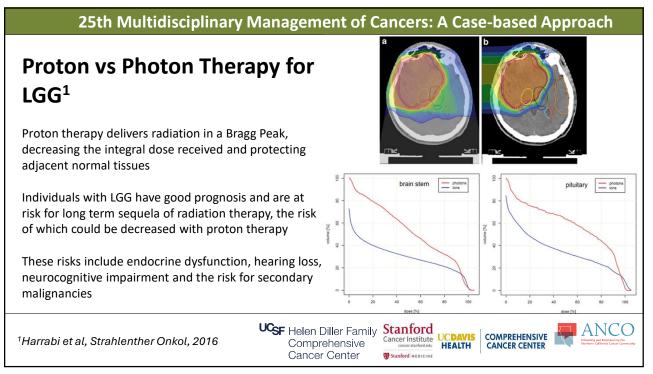


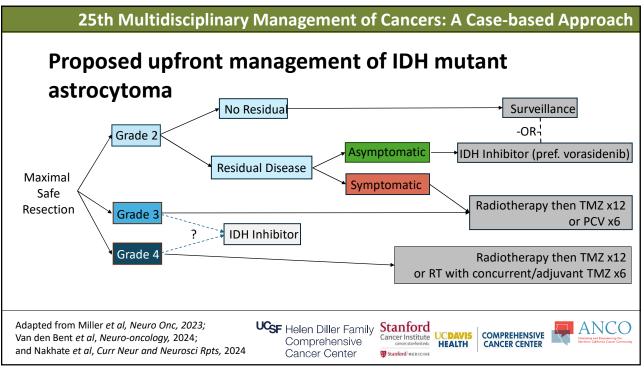


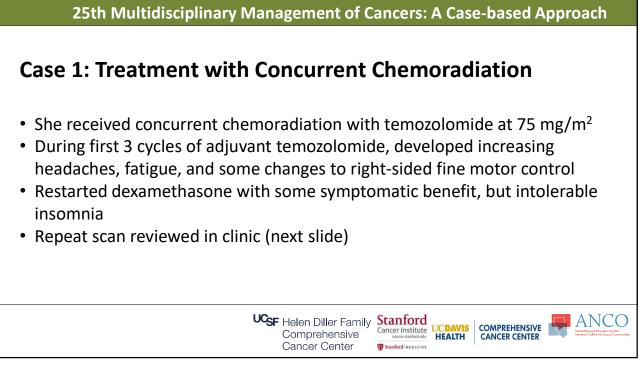
2	25th Multidisciplinary Management of Cancers: A Case-based Approach					
Mole	Molecular and Histologic Features in IDH-mutant Tumors					
• Crite	• Criteria for upgrading grade 2 \rightarrow grade 3 or 4 disease ^{1,2}					
		Grade 4 (any of the below)	Grade 3			
	Histologic	Necrosis Microvascular proliferation	Higher cellularity Increased nuclear atypi Significant mitotic activi			
	Molecular	CDKN2A/B homozygous* deletion				
dele as w • Simi						
¹ Brat et al, Acta No ² Louis et al, Brain ³ Lee et al, Sci Rpts ⁴ Ippen et al, Neur	Path, 2020 s, 2023	Comprehensive	nford Institute HEALTH COMPREHENSIV CANCER CENTE CANCER CENTE			

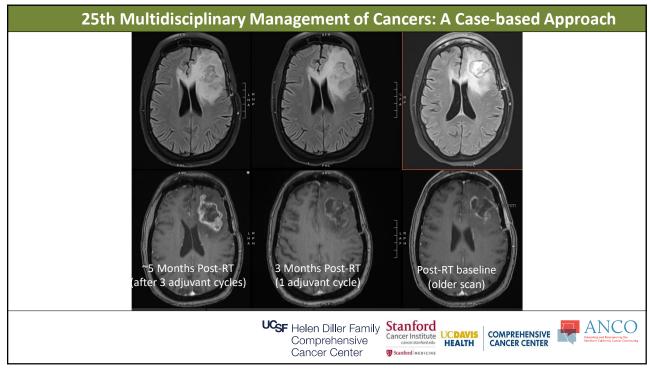
25 th Multidisciplinary Management of Cancers: A Case	e-Based Approach
Question 1.3 Presuming this patient has a KPS/ECOG of at least 70/1, restandard of care management of this tumor would compresented by the standard of care management of this tumor would compresented by the standard of care management of the standard of care	
a. Concurrent chemoradiation and adjuvant with temozolomide (TMZ)	77%
b. Radiotherapy followed by procarbazine/CCNU/vincristine (PCV)	3%
c. Temozolomide followed by adjuvant radiotherapy	3%
d. Radiotherapy followed by mIDH inhibitor	13%
e. mIDH inhibitor monotherapy	3%
010	²³ 31

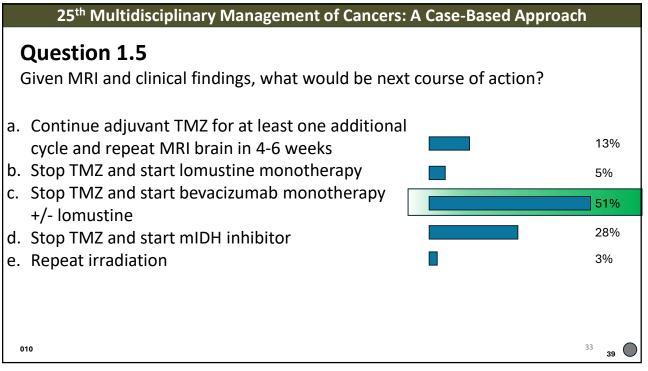




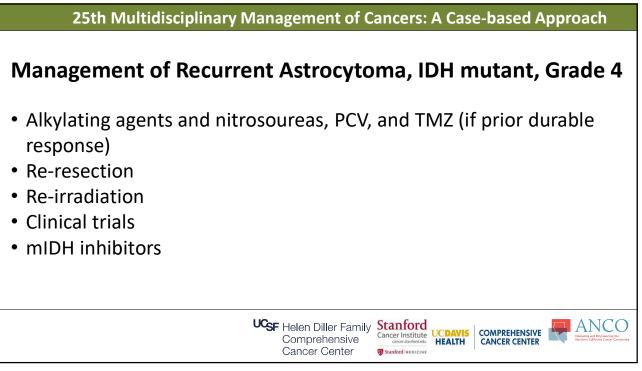




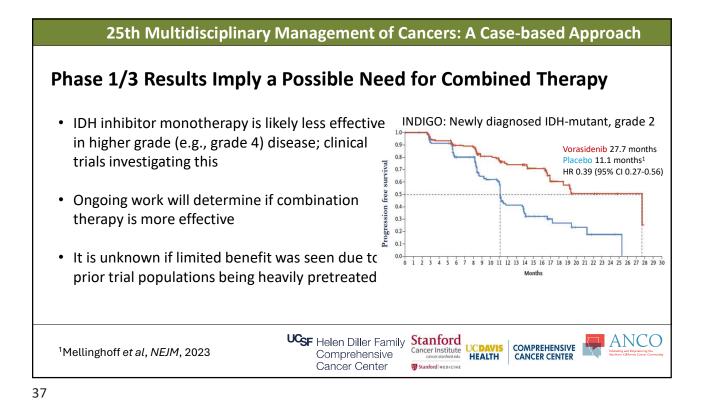




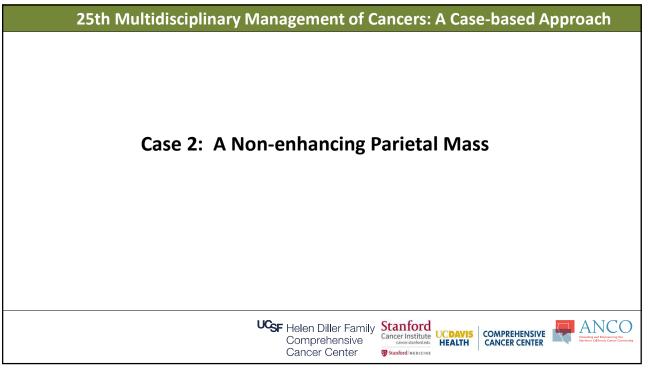
25th Multidisciplinary Management of Cancers: A Case-based Approach				
Response Assessment in Neuro-oncology v2.0				
Determining Baseline		Category	Criteria	
New Diagnosis	Post-op scan if no RT	Progressive Disease (PD) ("any"/"or")	New measurable lesion(s), 25%+ increase in sum of diameters, 40%+ increase in volume, new LMD, clinical deterioration, or loss to follow-up	
	Post-RT scan if received	Stable Disease (SD) ("and")	No new lesions, no progression of nonmeasurable or nontarget lesions	
Recurrent Disease	Scan just prior to new treatment	Partial Response (PR) ("and")		
		Complete Response (CR) ("and")	Sustained disappearance of lesions, no steroids, and clinical stability	
Wen et al, JCO, 2023				

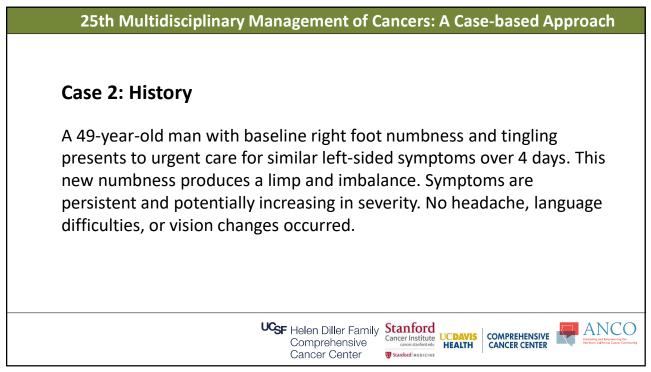


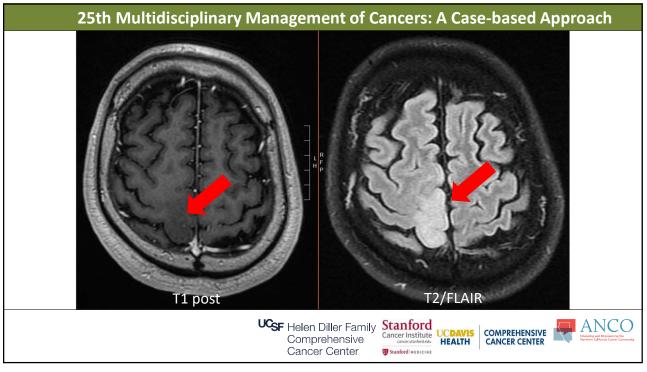
Agent	Phase	Year	Num Pts (Gr 4/Total)	Enhancing Response	Non-enhancing response
vosidenib ¹	1	2020	12/66	mPFS 1.4 mon (all grades)	mPFS 13.6 mon (all grades)
/orasidenib ²	1	2021	4/52	mPFS 1.1 mon	mPFS 36.8 mon (all grades)
Vorasidenib ³	3	2023	0 (gr 2 only)	N/A	Grade 2 only: ORR 11%, 83% SD mPFS 27.7 mon vs placebo 11.1 mon
Safusidenib ⁴	1	2023	7/47	mPFS 10.4 weeks (all grades)	mPFS not reached

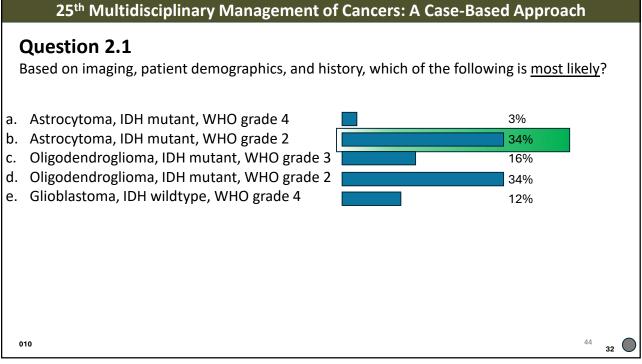


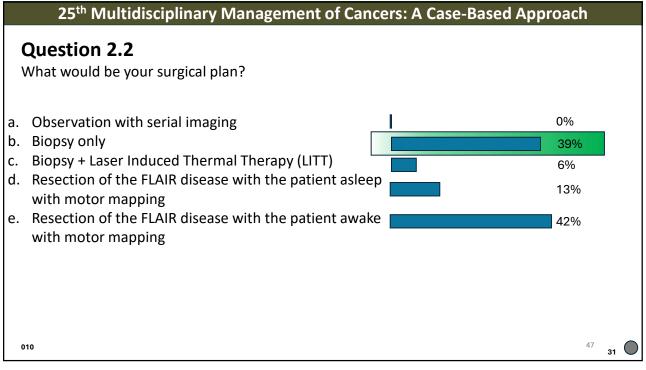
25th Multidisciplinary Management of Cancers: A Case-based Approach Trials at UCSF for recurrent astrocytoma, IDH mutant PARP inhibitor therapy with TMZ (non-surgical, PO drug) Phase 1/2a for any grade • At least 6 months since prior alkylating therapy, RT, and bevacizumab Perioperative pembrolizumab and vorasidenib permutations then combination Phase 1 for grade 2 or 3 Vorasidenib, vorasidenib + pembrolizumab, or neither x4 weeks pre-op • UCSF Helen Diller Family Stanford ANCO COMPREHENSIVE CANCER CENTER UCDAVIS Cancer Institute Comprehensive HEALTH Cancer Center Stanford NEDICINE

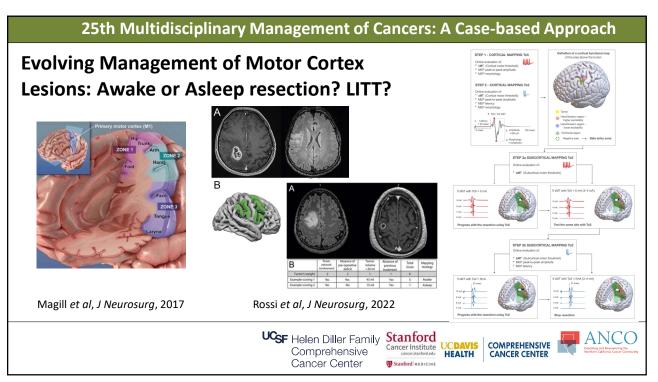


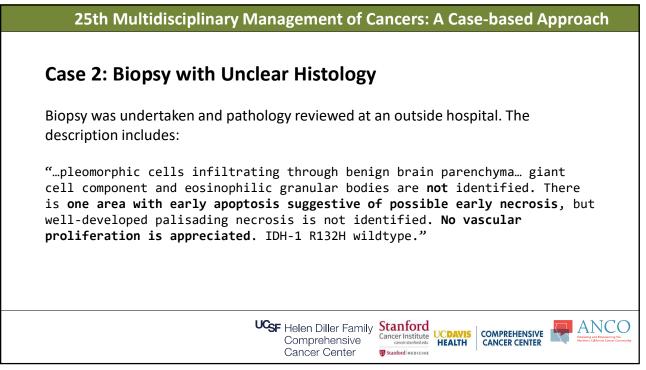


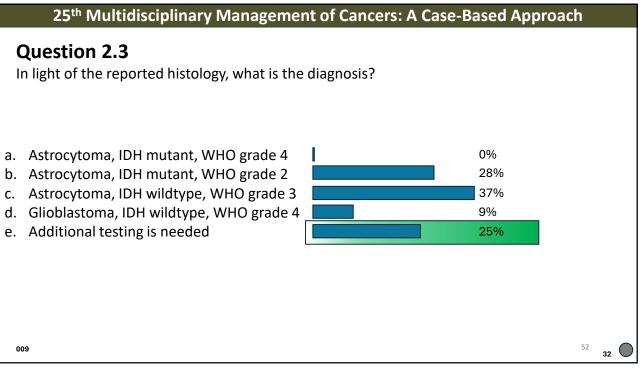






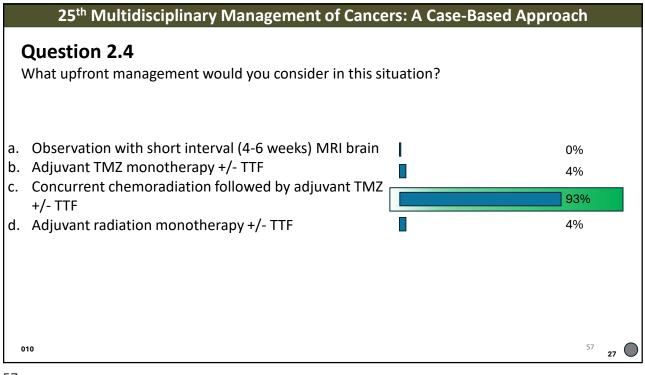






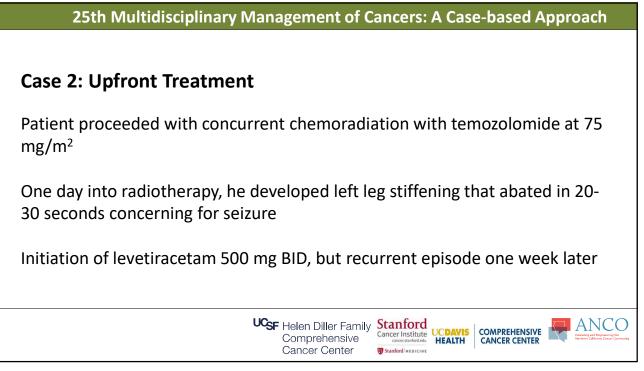
Identified	<u>Not</u> Identified
CDKN2A/B homozygous deletion PTPRZ1::MET fusion MGMT promoter methylation Ch 7 gain Partial Ch 10 loss	TERT promoter mutation EGFR amplification H3 G34R BRAF IDH-1/2 EGFR FGFR-1/2/3
WHO 2021 diagnosis: gliobl	astoma, IDH wildtype, WHO grade 4

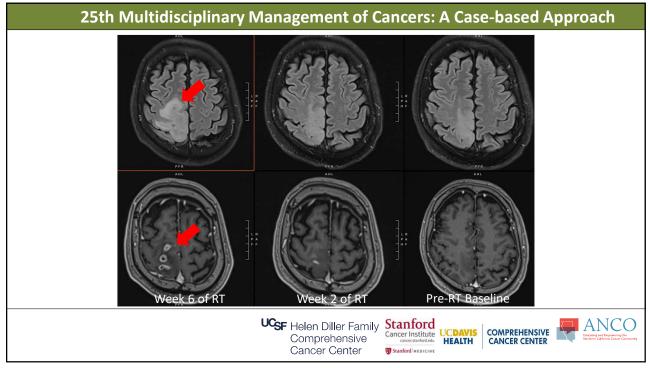
25th Multidisciplinary Management of Cancers: A Case-based Approach **Case 2: Molecular Glioblastoma Features** As proposed in cIMPACT-NOW (updates 3 and 6)^{1,2} and implemented in WHO CNS 2021:³ Any of the following are sufficient for diagnosis of glioblastoma in IDH-wildtype, H3wildtype astrocytomas: • EGFR amplification • TERT promoter mutation • Concurrent whole gain of chromosome 7 and loss of chromosome 10 It does not appear that molecular-only GBM has a notable difference in outcomes⁴ Comprehensive Comprehensive ¹Brat et al, Acta Neuropath, 2018 ANCO ²Louis et al. Brain Pathol. 2020 ³Louis et al, Neuro-onc, 2021 ⁴Papacocea et al, Int J Mol Sci, 2024 Cancer Center Stanford NEDICINE

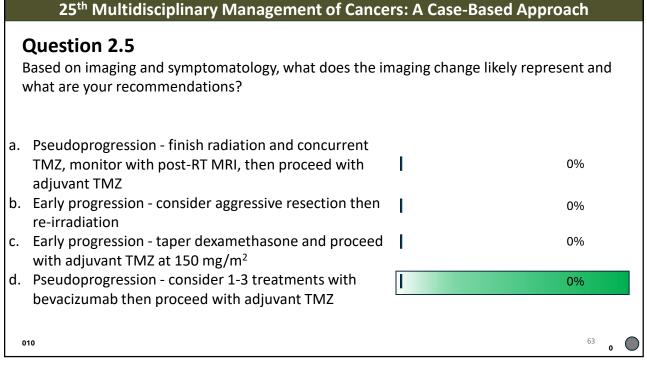


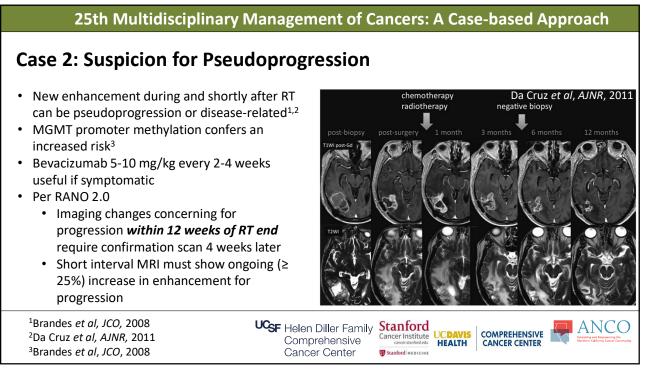


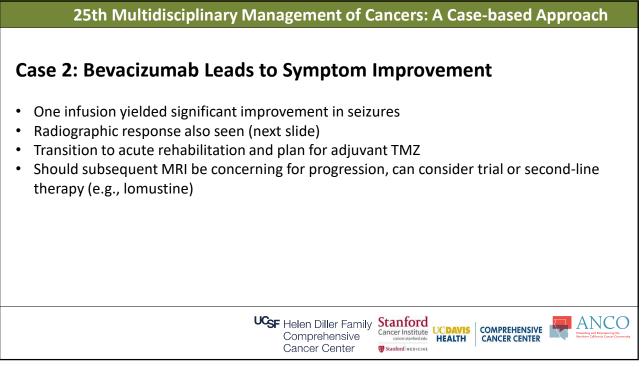
25th Multidis	ciplinary Management o	of Cancers: A Case	e-based Approach
	A Discussion of Tur	nor Treating F	ields (TTFs)
		TMZ alone	TMZ + TTFs
	Median OS (months, 95% CI)	16.0 (14.0-18.4)	20.9 (19.3-22.7)
	5-year survival (%, 95% Cl)	5% (2-11%)	13% (9-18%)
			Stupp et al, JAMA, 2018
Doptune creates TTFields which int		may cause cancer cells b be destroyed	
Slide courtesy of MMC 2022 team	UCSF Helen Diller Fa Comprehensiv Cancer Center	Cancer Institute Concersion for dedu	COMPREHENSIVE CANCER CENTER

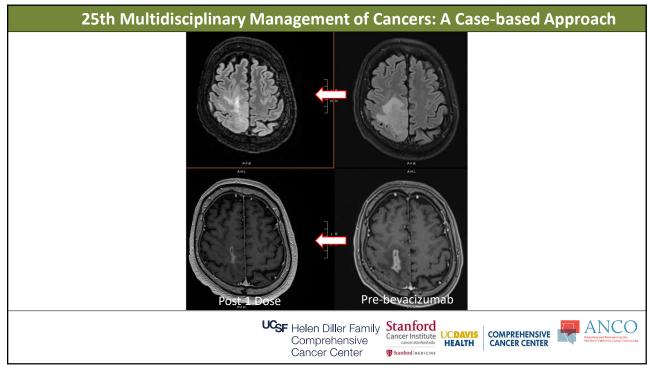


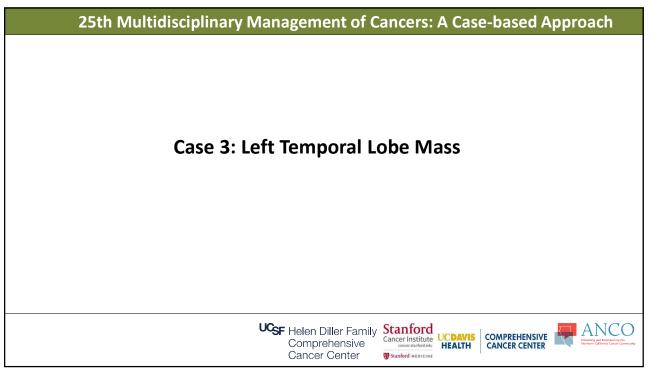


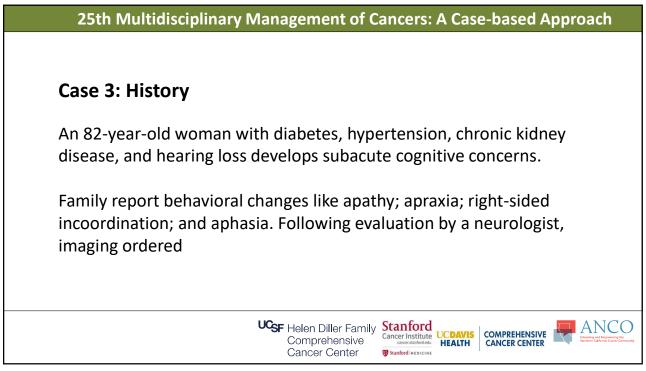


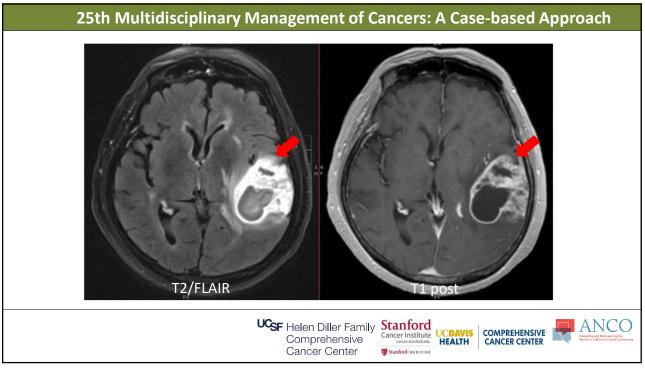


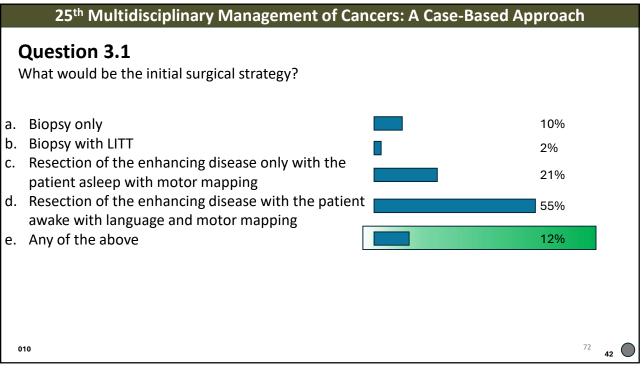


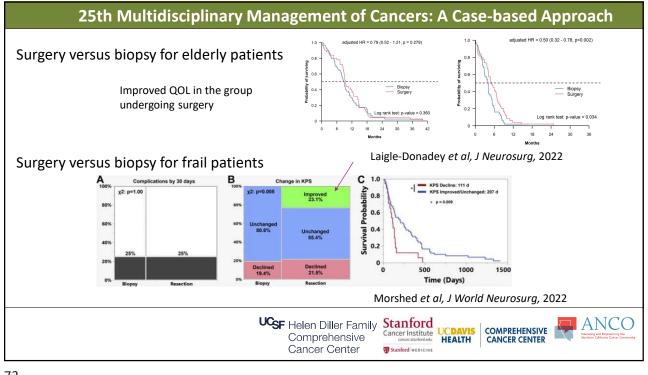


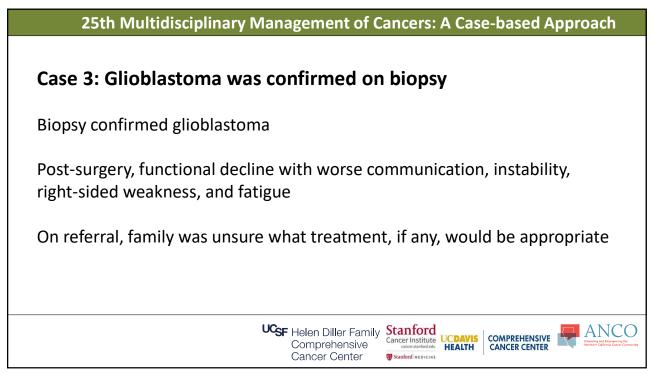


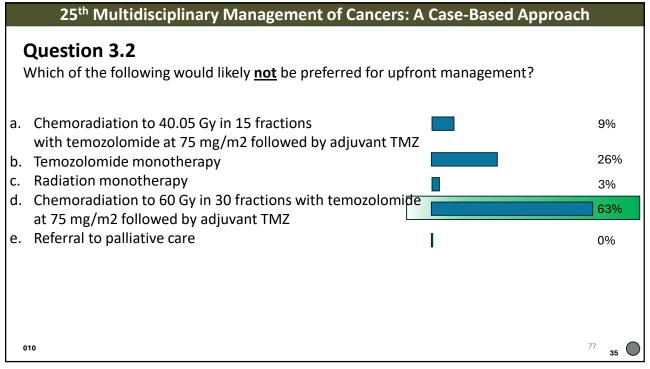


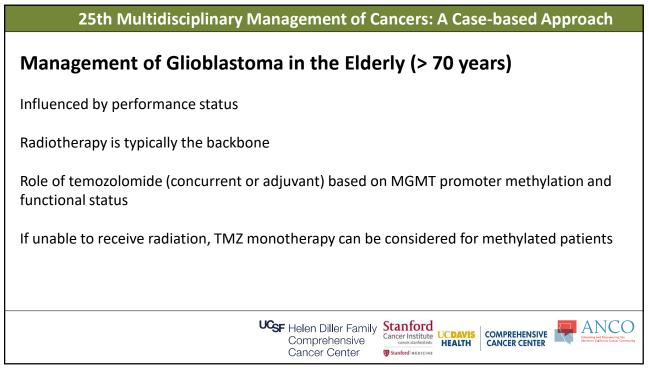


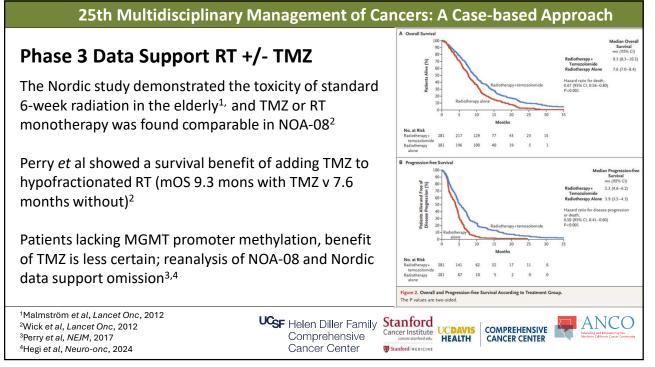


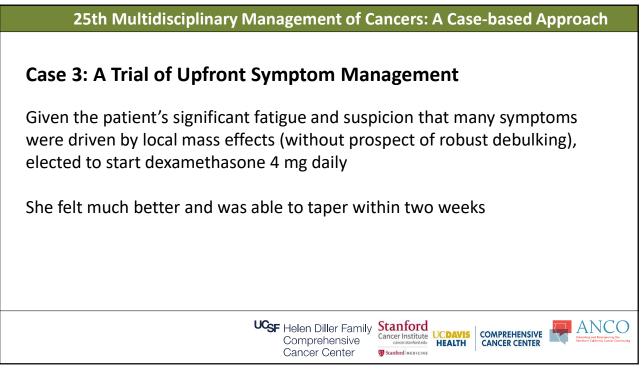




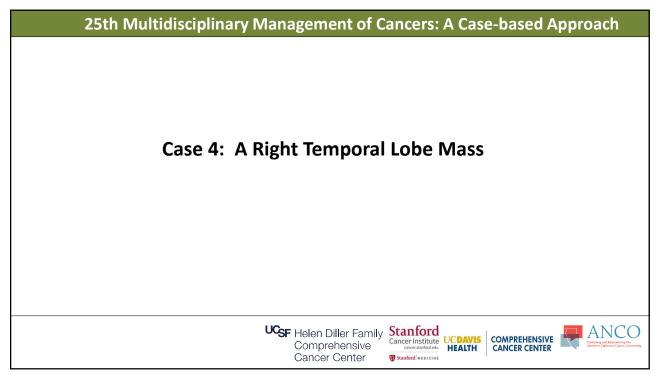


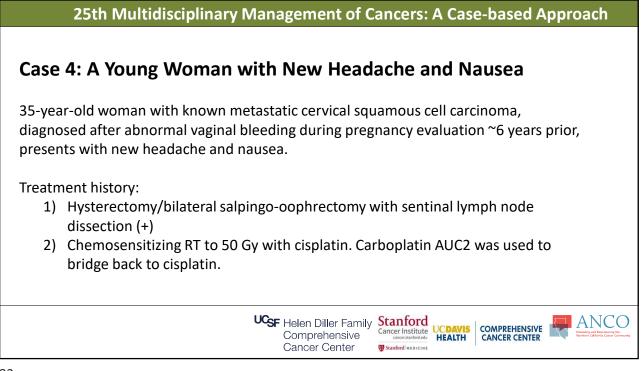


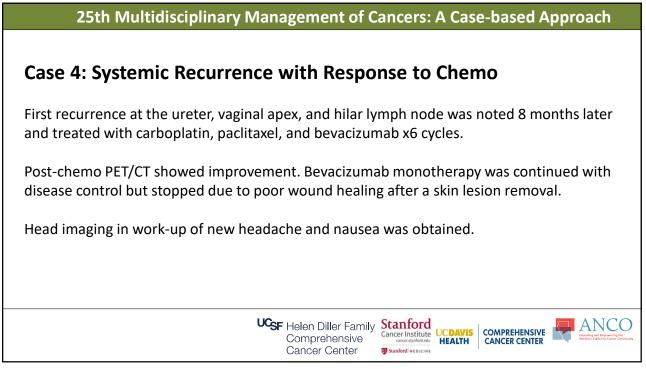


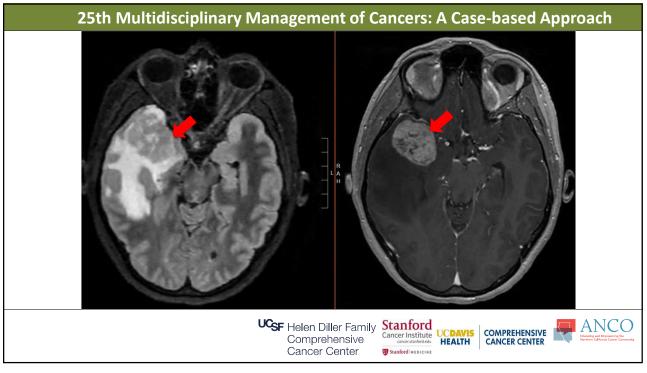


25th Multidisciplinary Management of Cancers: A Case-based Approach			
Steroid Management Recommendations			
Corticosteroids (typically dexamethasone) are indicated for symptomatic edema ¹			
In highly symptomatic patients, a "pulse" dose of 10-20 mg can be considered			
Dosing is typically 1-16 mg in divided doses; higher doses likely lack additional benefit but increase risk for adverse events ²			
Goal is minimal effective dose for shortest period possible			
Indefinite corticosteroid use, or in asymptomatic patients, is not indicated			
¹ Dietrich et al, Exp Rev Clin Pharm, 2011 ² Jessurun et al, J Neuro-onc, 2019 ¹ Dietrich et al, J Neuro-onc, 2019			

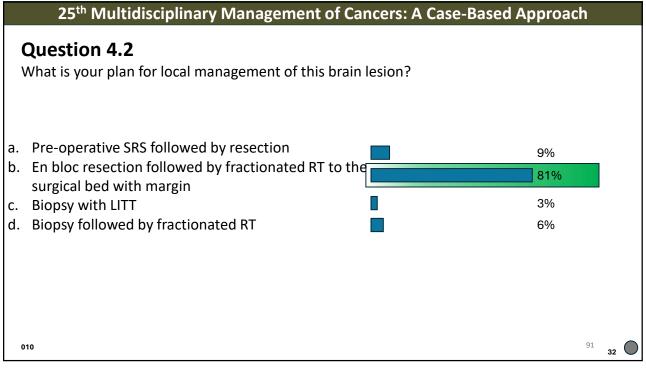


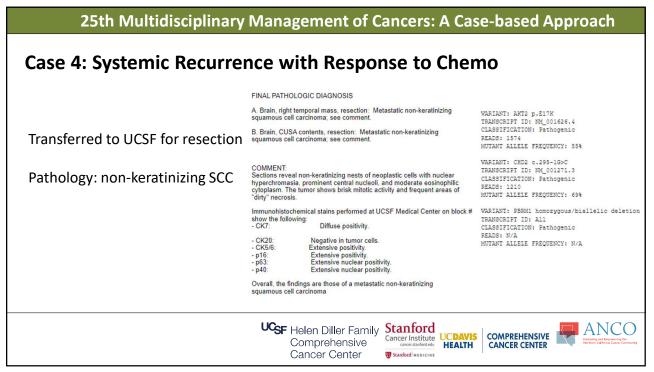


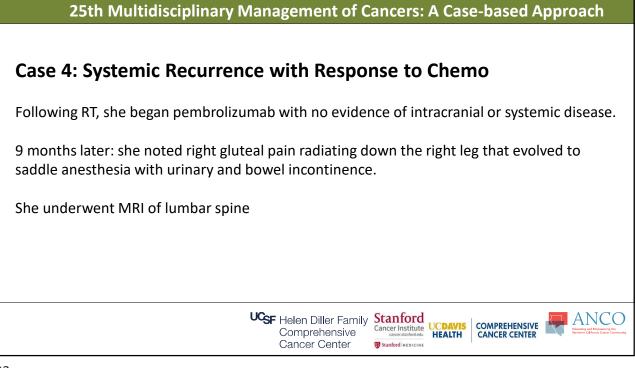


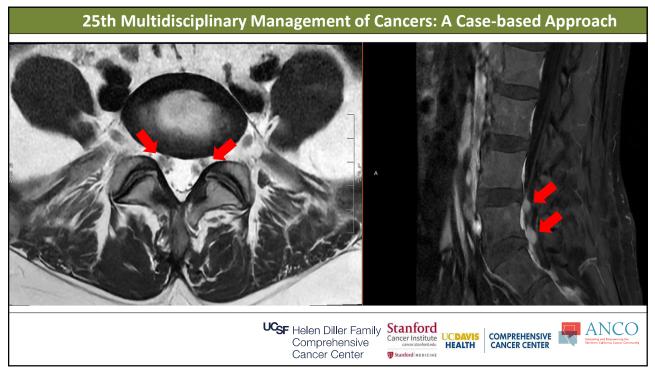


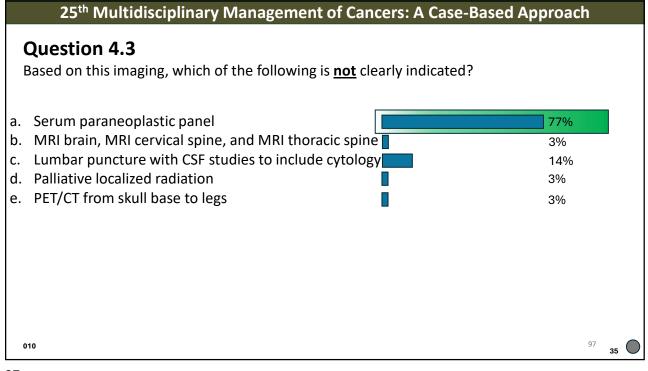
25 th Multidisciplinary Management of Cancers	: A Case-Based Approach
Question 4.1 What is the most likely etiology based on this imaging in the disease?	e setting of stable systemic
 a. Brain abscess b. Glioblastoma, IDH-wildtype, WHO grade 4 c. CNS lymphoma d. Meningioma e. Solitary brain metastasis 	0% 7% 0% 7% 87%
010	⁸⁸ 30 🔎

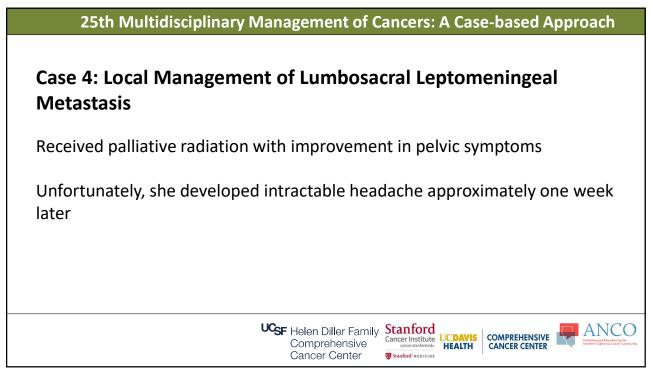


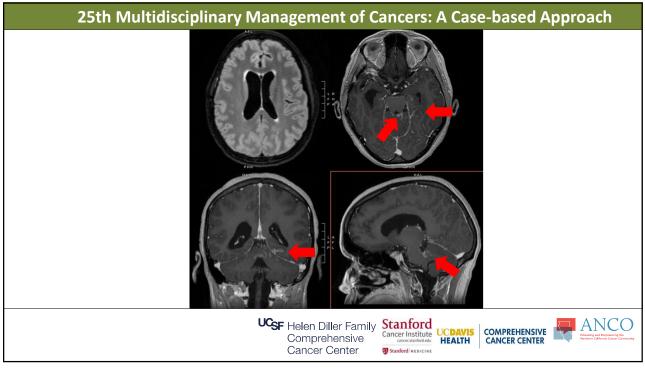


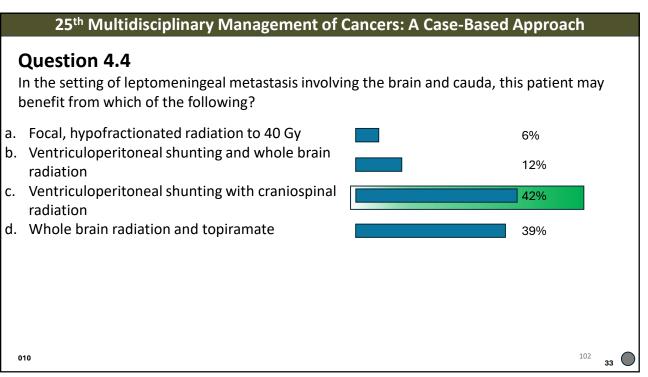












25th Multidisciplinary Management of Cancers: A Case-based Approach			
Balancing Quality and Quantity of Life			
Leptomeningeal disease (LMD) remains incurable and significantly shortens survival			
Increasingly effective systemic therapies may contribute to rising cases of brain metastasis and LMD as late stage complication of disease			
VP shunting for non-obstructive hydrocephalus is can improve symptoms, but also delay initiation of therapy including radiation; endoscopic third ventriculostomy offers the same for obstructive cases Shared medical decision-making can guide individualized therapies for these patients ¹			
¹ Lamba et al, <i>J Neuro-onc</i> , 2018	Comprehensive Cancer Center		

